



Attorney Docket No. UKRF-116A

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
Jaynes and Steele )  
Serial No.: 10/727,953 ) Examiner: John W. MILLER  
Filed: 03 December 2003 ) Art Unit: 2614  
For: Monitoring and correction of geometric distortion in ... )

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop IDS & 1449  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

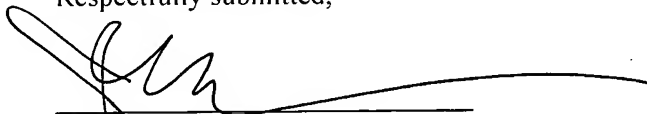
Transmitted herewith, in connection with <no> on-line IDS being submitted concurrently:

- ✓ An Information Disclosure Statement and Certification (2 pages);
- ✓ Combined Form PTO 1449 & PTO/SB/08B identifying the US Patent, US Published app., and non-US

Patent references;

- ✓ Copies of all non-US Patent references cited on the enclosed Form PTO 1449; and
- ✓ Return Postcard.

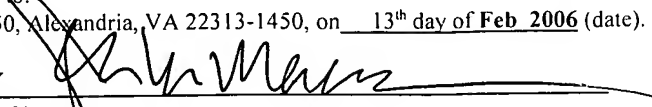
Respectfully submitted,

  
Jean M. Macheledt  
Macheledt Bales & Heidmiller LLP  
Attorney for Assignee/Applicants  
Registration Number 33,956  
phone: 970.218.6798

dated this 13 February 2006  
501 Skysail Lane, Suite B100  
Fort Collins, CO 80525-3133

I hereby certify that this correspondence is being deposited with the US Postal Service under 37 CFR 1.8 with sufficient postage as US 1<sup>st</sup> class or 2nd-day Priority mail in an envelope addressed to:  
Mail Stop IDS/1449, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on 13<sup>th</sup> day of **Feb 2006** (date).

Jean M Macheledt  
Printed Name

x   
Signature



Attorney Docket N<sup>o</sup> UKRF-116A

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

*In re* Application of: )  
Christopher O Jaynes, Ph.D. & R. M. [Matt] Steele ) Exr: < MILLER, John W.>  
Serial No.: 10/727,953 )  
Confirm No. 7413 ) Art Unit: 2614  
Filed: 03 December 2003 )  
For: Monitoring and correction of geometric distortion in... )

Mail Stop IDS & 1449  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT and CERTIFICATION**

Sir:

Pursuant to 37 C.F.R. §§ 1.51(b), 1.56, 1.97 and 1.98, this Information Disclosure Statement is submitted in the above-identified patent application. A list of documents to be published on the face of any patent granted from this application is submitted herewith on PTO/SB/08B (PTO-1449); these references include a few that were forwarded to the PTO by applicants in connection with their provisional app. (filed 03-Dec-02) to which priority has been granted herein. In the event any of the items listed on Form SB/08B have no specific month and/or date of publication identified: it is believed that the particular month and/or date of publication of these items is not of particular significance at this point in time; and by including these items herewith applicants do not, in any way, suggest that any of them bear a particular publication date that precedes the instant invention date. A copy of each non-U.S./ foreign patent document, or each publication or portion thereof listed or herein identified, is being submitted herewith, *except that* NO copy of any U.S. patent application identified herein or any patent, publication or other information listed herein cited or submitted in a prior application relied upon for an earlier filing date under 35 U.S.C. §§ 119 & 120, and NO hard copy of each U.S. patent and U.S. published patent app.<sup>1</sup> listed, is being submitted herewith.

---

<sup>1</sup> See, MPEP § 609 III. A(2) **Legible Copies**. "...with the exception that copies of such U.S. patent documents [published U.S. patent apps. and U.S. patents] are not required if the IDS is electronically submitted via EFS or the IDS is filed in an application filed after June 30, 2003 or entered the national stage under 35 U.S.C. 371 after June 30, 2003 ..."

### CERTIFICATION

\_\_\_\_\_ This Information Disclosure Statement is submitted within three months of (i) the filing date of the above-identified U.S. National Patent application, or (ii) the date of entry into the U.S. National Stage of the above-identified International Application, or (iii) the date of entry into the U.S. National Stage of the International Application that has been assigned the above-identified U.S. Patent application number, whichever applies.

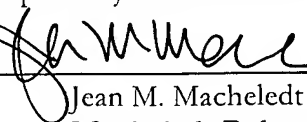
X This Information Disclosure Statement, and any associated *on-line* e-IDS, is being submitted *prior to the receipt* of the first Office Action *on the merits*<sup>2</sup> received by applicant(s) in the above-identified utility application.

\_\_\_\_\_ This Information Disclosure Statement is submitted after three months from (i) the filing date of the above-identified U.S. National Patent application, or (ii) after three months from entry into the U.S. National Stage of the above-identified International Application, or (iii) the date of entry into the U.S. National Stage of the International Application that has been assigned the above-identified U.S. Patent application number, whichever applies; and after the mailing date of the first Office Action on the merits of the above-identified application, but prior to issuance of the earlier of any Final Action or Notice of Allowance sent in such application. The certification under 37 C.F.R. § 1.97(e) is submitted separately or below, or the fee required under 37 C.F.R. § 1.97(c) and § 1.17(p) is submitted herewith.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

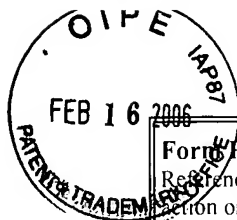
While it is believed no additional charge is due as a result of filing this document, please charge any additional fees or credit any overpayments in connection with this paper to:  
Deposit Acct. N<sup>o</sup> 02-0725,  
**Macheledt Bales LLP.**

Respectfully submitted this 13<sup>th</sup> day of February 2006,



Jean M. Macheledt  
**Macheledt Bales & Heidmiller LLP**  
Attorney for Assignee/Applicant(s)  
Registration N<sup>o</sup> 33,956

<sup>2</sup> See, MPEP § 609 III. B(1)(a). Likewise, an information disclosure statement will be considered if it is filed later than 3 months after the application filing date but before the mailing date of a first Office action on the merits. An action on the merits means an action which treats the patentability of the claims in an application, as opposed to only formal or procedural requirements. An action on the merits would, for example, contain a rejection or indication of allowability of a claim or claims *rather than* just a restriction requirement . . . or just a requirement for additional fees to have a claim considered ... [*emphasis added*].



Form PTO 1449 & PTO/SB/08B Reference Documents submitted prior to action on merits in util app, 13-Feb-2006	ATTY. DOCKET NUMBER: <b>UKRF-116A</b>	PATENT APPLICATION NUMBER: <b>10/727,953</b>
U.S. Patent & Trademark Office	APPLICANT(S): <b>C. Jaynes, Ph.D. and R. M. [Matt] Steele</b>	
Information Disclosure Statement of both US & non-US patent refs	FILING DATE: <b>03 Dec 2003</b> { PROV. APP. FILED: <b>03 Dec 2002</b> }	GROUP ART UNIT: <b>2614</b> Examiner: <b>MILLER, John W.</b>

**U.S. Patent Documents & published U.S. patent apps. (listing submitted on-line: <none>)**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	5,506,597	09-Apr-1996	Thompson et al.	345	85	
	5,871,266	16-Feb-1999	Negishi et al.	353	98	
	US 2002/0164074 A1	07-Nov-2002	Matsugu et al	382	173	

**Other Documents—\*\*listed for reference, a copy of each item listed is enclosed.**

EXAMINER INITIAL	DOCUMENT DETAILS
	Rahul Sukthankar, Stockton, R.G., and Mullin, M.D., "Smarter Presentations: Exploiting Homography in Camera-Projector Systems," <i>ICCV</i> (2001) {labeled "ATTACHMENT C" of applicants' provisional app. filed 03 Dec 2002 as background technical information}
	Claudio Pinhanez, "Augmenting Reality with Projected Interactive Displays," <i>VAA</i> (2001) 9 pages {labeled "ATTACHMENT D" of applicants' provisional app. filed 03 Dec 2002 as background technical information}
	Rahul Sukthankar, Stockton, R.G., and Mullin, M.D., "Automatic Keystone Correction for Camera-assisted Presentation Interfaces," {labeled "ATTACHMENT E" of applicants' provisional app. filed 03 Dec 2002 as background technical information}
	R. Raskar and Beardsley, P., "A Self Correcting Projector," <i>In Proceedings of IEEE Computer Vision and Pattern Recognition (CVPR)</i> , 2001, Hawaii (Dec 2001) pp. ??
	Ruigang Yang, Gotz, D., Hensley, J., Towles, H., and Brown M.S., "PixelFlex: A Reconfigurable Multi-Projector Display System," date ??
	Han Chen, R. Sukthankar, G. Wallace, and Tat-Jen Cham, "Calibrating Scalable Multi-Projector Displays Using Camera Homography Trees." Included here by way of background, only; noting that a corresponding citation of this group was made to [1] Technical Report TR-639-01, Princeton University, dated September 2001; this document was available on-line for viewing on 04-Dec-01 and printed on that date.
	R. Samanta, J. Zheng, T. Funkhouser, K. Li and J. Pal Singh, "Load Balancing for Multi-Projector Rendering Systems." Included here by way of background, only; noting that this document was available on-line for viewing on 04-Dec-01 and printed on that date from: <a href="http://citeseer.nj.nec.com/update/201288">http://citeseer.nj.nec.com/update/201288</a> (listed on cover page).
	R. Samanta, and T. Funkhouser, "Dynamic Algorithms for Sorting Primitives Among Screen-Space Tiles in a Parallel Rendering System." Included here by way of background, only; noting that this document was available on-line for viewing on 04-Dec-01 and printed on that date from: <a href="http://citeseer.nj.nec.com/">http://citeseer.nj.nec.com/</a>
Examiner:	Date Considered: